

into, the germ cells so that the released viral vector comprising the polynucleotide comprised in a virus or virus-derived DNA is incorporated into the genome of the germ cells of said male non-human vertebrate, wherein the polynucleotide expresses an agent a gene product which is of therapeutic benefit for use in human or veterinary medicine or well being or wherein the polynucleotide provides a suitable anatomical or physiological phenotype for human xenograft transplantation.

136(original). The non-human transgenic vertebrate of claim 135, wherein the polynucleotide comprises at least one biologically functional gene.

137(currently amended). A progeny non-human transgenic vertebrate, carrying in its germ cells a viral vector comprising at least one xenogeneic polynucleotide sequence, said non-human vertebrate being obtained by further breeding the male non-human vertebrate of claim 135 with a female of the same species, and selecting the bred progeny non-human transgenic vertebrate for the presence of the viral vector comprising the transfected xenogeneic polynucleotide in its genome.

138(original). The progeny non-human transgenic vertebrate of claim 137, being a male comprising native germ cells carrying in their genomes at least one xenogeneic polynucleotide.